Claims

- 1. A cylinder contacting a web (04) of material, characterized in that a cylinder (06) has a bend in or opposite to the running direction of the web (04) of material as a function of at least one image element arranged on the web (04) of material.
- 2. The cylinder in accordance with claim 1, characterized in that the cylinder (06) has the bend, i.e. the deflected center section of the cylinder (06), in the running direction.
- 3. The cylinder in accordance with claim 1, characterized in that the web (04) of material has several image elements arranged in the axial direction of the cylinder (06), and the cylinder (06) has a bend as a function of these image elements.
- 4. The cylinder in accordance with claim 1, characterized in that the web (04) of material has at least two image elements imprinted by at least two different printing groups, and the cylinder (06) has a bend as a function of these image elements.
- 5. The cylinder in accordance with claim 4, characterized in that the web (04) of material has at least four image elements imprinted by at least four different printing groups.
- 6. The cylinder in accordance with claim 1, characterized in that the cylinder (06) is embodied as a counter-pressure cylinder (06) and, together with a forme cylinder (02), provides a printing position for the web (04) of material.

- 7. The cylinder in accordance with claim 6, characterized in that at least two printing positions, each having a counterpressure cylinder (06) and a forme cylinder (02), are arranged to imprint the web (04) of material.
- 8. The cylinder in accordance with claim 1, characterized in that the bend of the cylinder (06) can be set.
- 9. The cylinder in accordance with claim 1, characterized in that a shaft (09), around which the cylinder (06) can be rotated, has been arranged, wherein the cylinder (09) has two end sections (15) and one center section (13), which support the cylinder (06) at its ends and in the center, and that at least one actuating member (19, 21) for shifting the end sections (15) in respect to the center section (13) in a direction perpendicular in relation to the shaft (06) has been arranged.
- 10. The cylinder in accordance with claim 9, characterized in that, for shifting the end sections (15) in respect to the center section (13) in the direction perpendicular in respect to the axis of the cylinder (06), at least two actuating members (19, 21) are provided, which shift the sections (15, 13) in different directions, wherein the directions preferably constitute a right angle.
- 11. The cylinder in accordance with claim 10, characterized in that an end section (15) extends from each end of the cylinder (06), and that at least one of these actuating members (19, 21) is arranged on at least one of these end sections (15) outside of the cylinder (06).

- 12. The cylinder in accordance with claim 1, characterized in that the cylinder (06) has a bend perpendicular in respect to the running direction of the web (04) of material.
- 13. A device, wherein a first cylinder (06,23) and a second cylinder (02) placed against it, form a gap (07), through which a running web (04) of material is conducted and is clamped between the cylinders (02, 06, 23) along a clamping line (08), characterized in that the clamping line (08) is curved in or against the running direction of the web (04) of material.
- 14. The device in accordance with claim 1, characterized in that a shaft (09) has been arranged, around which the first cylinder (06) can be rotated, wherein the shaft (09) has two end sections (15) and a center section (13), which support the first cylinder (06) at its ends and in its center, and that at least one actuating member (19, 21) for shifting the end sections (15) in respect to the center section (13) is arranged in a direction which is perpendicular to the axis of the first cylinder (06).
- 15. The device in accordance with claim 14, characterized in that the actuating member (19, 21) shifts the first cylinder (06) in a direction, which forms an angle with a plane defined by the axis of the first cylinder (06) and by the axis of the second cylinder (02).
- 16. The device in accordance with claim 14 or 15, characterized in that the direction of the shift of the at least one actuating member (19, 21) is rotatable around the axis of the first cylinder (06).

- 17. The device in accordance with one of claims 14 to 16, characterized in that, for shifting the end sections (15) in respect to the center section (13) in the perpendicular direction in respect to the axis of the first cylinder (06), at least two actuating members (19, 21) are provided, which shift the sections (15, 13) in different directions, wherein the directions preferably form a right angle.
- 18. The device in accordance with one of claims 14 to 17, characterized in that an end section (15) projects from each end of the first cylinder (06), and that at least one of these actuating members (19, 21) is arranged outside of the cylinder (06) on at least one of these end sections (15).
- 19. The device in accordance with one of claims 14 to 18, characterized in that it has a pair of actuating members (19, 21), which counteract each other diametrically opposed.
- 20. The device in accordance with one of claims 14 to 19, characterized in that at least one of the actuating members (19, 21) is a set screw (21).
- 21. The device in accordance with one of claims 14 to 19, characterized in that at least one of the actuating members (19, 21) is a hydraulic actuating member (19).
- 22. The device in accordance with one of the preceding claims, characterized in that it comprises at least one rolling bearing (14) between the first cylinder (06) and the shaft (09).

- 23. The device in accordance with one of the preceding claims, characterized in that the first cylinder (06) has a rubber surface.
- 24. The device in accordance with one of the preceding claims, characterized in that at least one sealing element (22) provided on the actuating members (19, 21) is arranged.
- 25. The device in accordance with one of the preceding claims, characterized in that the second cylinder (02) is a forme cylinder (02).
- 26. The cylinder or the device in accordance with one of the preceding claims, characterized in that the device or the cylinder (06) is a component of a rotogravure printing press.
- 27. The device in accordance with claim 13 or 25, characterized in that the first cylinder (06) is designed as a counter-pressure cylinder (06).
- 28. The device in accordance with claim 13, characterized in that the first cylinder (06) has a curvature for compensating indexing errors or registration errors.
- 29. The device in accordance with claim 13, characterized in that the first cylinder (06) has a center section which is deflected in the running direction of the web (04) of material.
- 30. The cylinder in accordance with claim 6 or the device in accordance with claims 25, 27, 29, characterized in that the

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deflected center section of the counter-pressure cylinder (06) is arranged on a side of the forme cylinder (02) located opposite the doctor blade (03).